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To: Pat Grantham

Date: January 28, 1992

From: C. T. Spielberg *CS*

Subject: CONTINUED EVALUATION OF ROD TO ROD BLEND VARIATION

RESULTS:

A. TOB

Of the 20 tobacco measurements recorded (twice for each sample), the percentages ranged from 70.8 to 82.2, with an overall average of 74.8. The total variation was 10.9 which is a 4.4% relative standard deviation (standard deviation as a percent of the mean). Of this total variation, the variation due to the measurement was 0.21 which equates to a relative standard deviation of only 0.6%, while the variation due to the blending process was 10.7, or a relative standard deviation of only 4.4%. Of the 20 tobacco measurements recorded where the same person re-picked the same sample, the percentages ranged from 71.6 to 82.2, with an overall mean of 75.3. The variation from the same person re-picking the sample was 10.6, or a relative standard deviation of only 4.3% of the measurement.

CONCLUSIONS:

Relative to the average measurements, the standard deviation for tobacco was only 4.4%. The variation was predominantly found to be random from rod to rod, as opposed to a result of the measurement process.

cc: Bob Fenner
Nancy Ryan

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